WHAT IS CLAIMED IS:

1. A recording apparatus for rotating an endless belt member and supplying electricity to the belt member so as to absorb a recording medium to the surface of the belt member and performing a recording on the recording medium by a recording device, comprising:

an electrical feeding member capable of supplying electricity to the belt member comprising a portion to be fed at a first voltage value for fastening the recording medium or a second voltage value for releasing an fastening of the recording medium;

a conveyance failure detection element for detecting a conveyance failure of said recording medium; and

a control portion for performing a control of said belt member and said electrical feeding member based on a detection signal of said conveyance failure detection element, said control portion performing a control of supplying electricity to said belt member at the second voltage value by way of said electrical supply member when the conveyance failure is detected by said conveyance failure detection element.

2. The recording apparatus according to claim 1, wherein said conveyance failure detection element is a detection element which detects a separation gap of the

recording medium on the said belt member from said belt member in the direction of said recording device.

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3. The recording apparatus according to claim 1, wherein said recording apparatus comprises a discharge portion for discharging a recorded recording medium outside the apparatus and said conveyance failure detection element is a discharge conveyance failure detection element for detecting the conveyance failure of the recording medium in the vicinity of the discharge portion.

4. The recording apparatus according to any one of claim 1 to claim 3, wherein said recording device is an ink jet recording head for performing a recording on the recording medium by emitting ink.

5. The recording apparatus according to claim 4, wherein said ink jet recording head uses a thermal energy as energy for emitting the ink.

6. A recording medium conveyance apparatus comprising a conveyance mechanism comprising a belt which coveys by rotating while contacting a recording medium and a fastening force generation mechanism for fastening the recording medium to said belt, comprising:

a conveyance failure detection element for detecting the conveyance failure of the recording medium which is fastened by the belt and conveyed; and

a control portion for weakening or eliminating the fastening force generated by said fastening force generation mechanism according to the detection of the conveyance failure by said conveyance failure detection element.

7. The recording medium conveyance apparatus according to claim 6, wherein said fastening force generation mechanism comprises a plurality of electrodes which line up in such a manner as to be along the surface contacting the recording medium of said belt and an electrical feeding member for applying a voltage in such a manner that said adjacent electrodes have different potentials.

8. The recording medium conveyance apparatus according to claim 7, wherein said plurality of electrodes are provided in the belt.

9. The recording medium conveyance apparatus according to claim 7, wherein said control portion controls said electrical feeding member in such a manner that the potentials of said plurality of electrodes are equalized according to the detection of

the conveyance failure by said conveyance failure detection element.

10. The recording medium conveyance apparatus according to claim 7, wherein said control portion performs an elimination of the charge which is charged in said plurality of electrodes according to the detection of the conveyance failure by said conveyance failure detection element.

11. A recording apparatus provided with a recording medium conveyance apparatus comprising a conveyance mechanism comprising a belt which conveys by rotating while contacting a recording medium and an fastening force generation mechanism for fastening the recording medium to said belt, comprising:

a device support member for supporting the recording device to the position opposing to the recording medium which is fastened by the belt and conveyed;

a conveyance failure detection element for detecting the conveyance failure of the recording medium which is fastened by the belt and conveyed; and

a control portion for weakening or eliminating the fastening force generated by said fastening force generation mechanism according to the detection of the conveyance failure by said conveyance failure detection

element.

12. The recording apparatus according to claim 11, wherein said fastening force generation mechanism comprises a plurality of electrodes which line up in such a manner as to be along the surface contacting the recording medium of said belt and an electrical feeding member for applying a voltage in such a manner that said adjacent electrodes have different potentials.

13. The recording apparatus according to claim 12, wherein said plurality of electrodes are provided in the belt.

14. The recording apparatus according to claim 12, wherein said control portion controls said electrical feeding member in such a manner that the potentials of said plurality of electrodes are equalized according to the detection of the conveyance failure by said conveyance failure detection element.

15. The recording apparatus according to claim 12, wherein said control portion performs an elimination of the charge which is charged in said plurality of electrodes according to the detection of the conveyance failure by said conveyance failure detection element.

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16. The recording apparatus according to any one of claim 11 to claim 15, wherein said recording device is an ink jet recording head for performing a recording on the recording medium by emitting ink.

17. The recording apparatus according to claim 16, wherein said ink jet recording head uses a thermal energy as energy for emitting the ink.